As of 12/7/00

**Historical Coincident Peak Demand and Operating Reserve**

**Peak Demand on Day of Year With Highest State Peak Demand (MW)**

| Control Area | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day of Coincident Peak Demand | 07/22/88 | 07/20/89 | 07/13/90 | 10/02/91 | 08/17/92 | 08/02/93 | 08/15/94 | 07/27/95 | 08/14/96 | 08/06/97 | 09/01/98 | 07/12/99 | 08/16/00 |
| PG&E | 17,216 | 17,150 | 19,278 | 16,642 | 18,392 | 19,607 | 19,118 | 19,746 | 20,699 | 21,484 | 20,511 | 23,104 | 21,196 |
| SCE | 15,616 | 15,632 | 17,115 | 16,709 | 18,413 | 15,590 | 17,892 | 17,435 | 18,205 | 19,084 | 19,935 | 19,122 | 19,272 |
| LADWP | 4,736 | 4,660 | 5,229 | 5,123 | 5,331 | 4,502 | 4,911 | 4,743 | 5,145 | 5,434 | 5,643 | 5,455 | 5,313 |
| SDG&E | 2,523 | 2,506 | 2,799 | 3,027 | 3,355 | 2,697 | 3,137 | 2,931 | 3,282 | 3,491 | 3,960 | 3,606 | 3,316 |
| Statewide | 40,091 | 39,948 | 44,421 | 41,501 | 45,491 | 42,396 | 45,058 | 44,855 | 47,331 | 49,493 | 50,049 | 51,287 | 49,097 |
| SMUD | 1,873 | 1,934 | 2,146 | 1,760 | 2,117 | 2,162 | 2,034 | 2,169 | 2,392 | 2,442 | 2,505 | 2,759 | 2,396 |
| CAISO | 35,355 | 35,288 | 39,192 | 36,378 | 40,160 | 37,894 | 40,147 | 40,112 | 42,186 | 44,059 | 44,406 | 45,884 | 43,784 |
| Pasadena | | | | | | | | | | 278 | 292 | 285 | 275 |
| IID | | | | | | | | | 639 | 626 | 608 | 639 | 881 |
| CFE | | | | | | | | | | 1,270 | 1,368 | 1,119 | 1,569 |
| TOTAL | | | | | | | | | | 51,667 | 52,317 | 53,382 | 51,547 |

**Spinning Reserve on Day of Year With Highest State Peak Demand (%)**

| Control Area | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day of Non-Coincident Peak Demand | 07/22/88 | 07/20/89 | 07/13/90 | 10/02/91 | 08/17/92 | 08/02/93 | 08/15/94 | 07/27/95 | 08/14/96 | 08/06/97 | 09/01/98 | 07/12/99 | 08/16/00 |
| PG&E | 7.6 | 7.2 | 7.8 | 5.3 | 7.0 | 9.9 | 6.7 | 7.4 | 8.7 | 6.0 | 5.7 | 3.7 | 1.2 |
| SCE | 8.9 | 9.3 | 6.9 | 10.8 | 6.4 | 7.9 | 7.2 | 5.0 | 3.9 | 5.3 | 5.6 | 3.6 | 1.2 |
| LADWP | 13.8 | 8.6 | 14.5 | 10.7 | 11.5 | 13.7 | 12.1 | 8.8 | 4.6 | 7.8 | 3.5 | 6.0 | 10.5 |
| SDG&E | 8.8 | 8.2 | 8.8 | 6.4 | 10.4 | 10.4 | 6.6 | 5.1 | 7.3 | 5.0 | 6.1 | 3.9 | 1.3 |
| Statewide | 8.9 | 8.2 | 8.3 | 8.3 | 7.5 | 9.6 | 7.5 | 6.5 | 6.3 | 5.9 | 5.4 | 3.9 | 2.2 |
| SMUD | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| CAISO | 8.3 | 8.2 | 7.5 | 7.9 | 7.0 | 9.1 | 6.9 | 6.2 | 6.5 | 5.6 | 5.7 | 3.7 | 1.2 |
| Pasadena | | | | | | | | | | 9.0 | 8.6 | 8.8 | N/A |
| IID | | | | | | | | | N/A | 27.0 | 24.1 | 32.4 | 4.9 |
| CFE | | | | | | | | | | 4.6 | 7.6 | 13.1 | 7.1 |
| TOTAL | | | | | | | | | | 6.1 | 5.8 | 4.5 | 2.4 |

Spinning reserve is defined as generating capacity which can be brought on line in less than 10 minutes.

**Total Reserve on Day of Year With Highest State Peak Demand (%)**

| Control Area | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day of Non-Coincident Peak Demand | 07/22/88 | 07/20/89 | 07/13/90 | 10/02/91 | 08/17/92 | 08/02/93 | 08/15/94 | 07/27/95 | 08/14/96 | 08/06/97 | 09/01/98 | 07/12/99 | 08/16/00 |
| PG&E | 10.9 | 10.1 | 8.9 | 7.8 | 17.5 | 16.2 | 11.4 | 8.6 | 5.3 | 6.5 | 6.4 | 4.6 | 3.4 |
| SCE | 12.2 | 12.1 | 10.3 | 14.2 | 8.5 | 11.3 | 10.2 | 5.7 | 8.1 | 8.7 | 6.1 | 4.4 | 3.3 |
| LADWP | 19.2 | 10.3 | 22.4 | 12.2 | 23.7 | 28.5 | 23.2 | 8.8 | 7.0 | 11.2 | 8.0 | 12.3 | 16.4 |
| SDG&E | 11.9 | 25.7 | 18.2 | 9.4 | 12.3 | 24.8 | 14.2 | 14.8 | 9.9 | 12.2 | 9.3 | 6.8 | 5.0 |
| Statewide | 12.5 | 11.9 | N/A | 11.1 | 14.2 | 16.2 | 12.4 | 7.9 | 6.9 | 8.3 | 6.7 | 5.5 | 4.9 |
| SMUD | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| CAISO | 11.5 | 12.1 | 10.2 | 10.9 | 12.9 | 14.8 | 11.1 | 7.8 | 6.9 | 7.9 | 6.5 | 4.7 | 3.5 |
| Pasadena | | | | | | | | 19.2 | | 37.4 | 16.4 | 16.8 | N/A |
| IID | | | | | | | | | N/A | 35.6 | 24.1 | 32.3 | 17.5 |
| CFE | | | | | | | | | | 15.1 | 19.4 | 29.6 | 7.8 |
| TOTAL | | | | | | | | | | 8.9 | 7.2 | 6.4 | 5.2 |

**Hour of Day Peak Hit on Day of Year With Highest State Peak Demand (Hours Military Time)**

| Control Area | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day of Non-Coincident Peak Demand | 07/22/88 | 07/20/89 | 07/13/90 | 10/02/91 | 08/17/92 | 08/02/93 | 08/15/94 | 07/27/95 | 08/14/96 | 08/06/97 | 09/01/98 | 07/12/99 | 08/16/00 |
| PG&E | 1600 | 1600 | 1500 | 1600 | 1600 | 1600 | 1700 | 1700 | 1600 | 1700 | | | |
| SCE | 1500 | 1400 | 1400 | 1600 | 1500 | 1500 | 1500 | 1500 | 1500 | 1600 | | | |
| LADWP | 1400 | 1400 | 1300 | 1521 | 1509 | 1439 | 1419 | 1428 | 1426 | 1523 | 1552 | 1511 | 1525 |
| SDG&E | 1330 | 1530 | 1200 | 1500 | 1500 | 1430 | 1330 | 1630 | 1500 | 1500 | | | |
| SMUD | 1700 | 1800 | 1700 | 1800 | 1800 | 1700 | 1800 | 1800 | 1700 | 1800 | 1800 | 1700 | N/A |
| CAISO | | | | | | | | | | | 1626 | 1652 | 1517 |
| Pasadena | | | | | | | | N/A | | 1600 | 1600 | 1600 | N/A |
| IID | | | | | | | | | N/A | 1600 | 1600 | 1400 | 1700 |
| CFE | | | | | | | | | | 2200 | 2100 | 2200 | 1600 |

**Actual High Temperature on Day of Year With Highest State Peak Demand (Degrees Fahrenheit)**

| System/Location | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PG&E-Sacramento | 103 | 103 | 107 | 100 | 101 | 105 | 100 | 102 | 104 | 110 | | | |
| PG&E-San Jose | 87 | 83 | 87 | 83 | 85 | 97 | 95 | 90 | 84 | 93 | | | |
| PG&E-Fresno | 106 | 101 | 108 | 91 | 108 | 107 | 106 | 106 | 110 | 106 | | | |
| SCE-LA & Vicinity | 93 | 90 | 98 | 99 | 99 | 87 | 98 | 95 | 96 | 95 | | | |
| SDG&E-El Cajon | 94 | 94 | 97 | 97 | 102 | 88 | 95 | 95 | 97 | 105 | | | |
| SMUD-Sacramento | 103 | 102 | 106 | 100 | 102 | 105 | 103 | 104 | 106 | 107 | 106 | 108 | N/A |
| Sacramento | | | | | | | | | | | 105 | 106 | 98 |
| San Francisco | | | | | | | | | | | 79 | 87 | 71 |
| San Jose | | | | | | | | | | | 97 | 101 | 86 |
| Concord | | | | | | | | | | | 98 | 103 | 94 |
| Fresno | | | | | | | | | | | 104 | 106 | 100 |
| Los Angeles | | | | | | | | | | | 105 | 90 | 88 |
| Ontario | | | | | | | | | | | 105 | 103 | 98 |
| San Diego | | | | | | | | | | | 83 | 78 | 78 |
| El Cajon | | | | | | | | | | | 100 | 98 | 92 |

**Notes**

**Noncoincidence of Reported Peak Demand :** This table shows a 13-year history of the *noncoincident* cumulative annual peak demand for most of the demand in California. The day and time of a control area s annual peak demand varies geographically. The peak demand day selected [from reported daily peak demand] for this table is the day with the highest sum of peak demand reported by the PG&E, SCE, SDG&E and LADWP control areas. The hour on that day during which an individual control area s peak demand occured could vary by control area. An individual control area s annual peak demand may have occurred on another day.

**Changes in Reporting:** Prior to 1998, a voluntary pool of the PG&E, SCE, SDG&E, SMUD and LA DWP control areas reported data for their individual control areas as part of the California Utility Power System. Starting in 1998, however, the new California Independent System Operator (CAISO), a control area comprising the previous PG&E, SCE and SDG&E control areas, assumed responsibility for much of the statewide reporting. The CAISO began reporting daily peak demand aggregated for its control area (i.e., no longer separately for PG&E, SCE and SDG&E) and began reporting for other interconnected control areas including LA DWP, IID, CFE and the City of Pasadena. SMUD has and continues to report its own data.

**Filling the gaps in data sources:** To continue a time series for the PG&E, SCE and SDG&E demand areas, we rely on other sources than operations reports. Although PG&E, SCE and SDG&E do not report their daily peak demand as control area operators any longer, they do report their annual peak demand within their distribution system areas to FERC on FERC Form 1. Other control areas report their systems annual peak demand to FERC on FERC Form 714. We used these sources, as well as contacting the companies directly, to fill in data gaps created by the change over time in reporting methods. Where no source existed, we estimated a value. All estimated values are shaded. The details are as follows: SCE and SDG&E data for 1997 through 1999 from FERC Form 1. PG&E 1997 peak demand data from PG&E. The remaining 1997 data are from FERC Form 714. All other data are from the California Utility Power System (1988-1997), the CAISO (1998-2000), or estimated.

**Estimated data:** Shaded peak demand data are CEC Staff estimates in place of unavailable data. Year 2000 peak demand for PG&E, SCE and SDG&E are calculated as a pro-rated share of CAISO 2000 peak demand based on historical shares. Year 1998 peak demand for PG&E, which was not included in its FERC Form 1, is the difference between the reported CA ISO peak demand and peak demand reported by SCE and SDG&E in their FERC Forms 1.

**Acronyms:** CAISO is California Independent System Operator, CEC is California Energy Commission, CFE is Mexico s Comision Federal de Electricidad , FERC is Federal Energy Regulatory Commission, IID is Imperial Irrigation District, LA DWP is Los Angeles Department of Water and Power, Pasadena is Pasadena Water and Power Department, PG&E is Pacific Gas and Electric, SCE is Southern California Edison, SDG&E is San Diego Gas and Electric, SMUD is Sacramento Municipal Utility District.